

U.S. ENVIRONMENTAL PROTECTION AGENCY  
 POLLUTION/SITUATION REPORT  
 Hurricane Sandy - Polrep/Sitrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region II

**Subject:** SITREP #36  
 Operations Continue  
 Hurricane Sandy  
 Edison, NJ  
 Latitude: 40.4494047 Longitude: -74.4379073

**To:** Michael Hoppe, USEPA Region 02, ERRD-RPB

**Thru:** REOC Regional Incident Coordinator  
 Eric Mosher  
 REOC Deputy Regional Incident Coordinators,  
 Christopher Jimenez (NJ)  
 Kelly Lucarino (NJ)  
 Bonnie Hriczko (NY)  
 Neil Norrell (NY)

**From:** REOC Situation Unit Leader,  
 Keith Glenn (Day Operations)  
 Ray Ledbetter (Night Operations)

**Date:** 12/2/2012  
**Reporting Period:** 0700 hrs 12/2/2012 thru 1900 hrs 12/2/2012

**Executive Summary**

**Executive Summary**

New Jersey operations are starting to ramp-down as this was the last operational period for finding new targets. EPA will shift focus to collecting any remaining identified orphaned containers and the processing/disposal of those already located at the Lakewood staging area.

Crews completed identification of new orphaned containers in Monmouth County, while collection of previously identified containers continued. EPA crews continued washing operations at PVSC while activities were suspended at MCUA.

In NYC, curbside collection of materials continued in Staten Island, Queens, and Brooklyn. EPA flyers indicated that this would be the last day for curbside collection of materials in the five boroughs, however EPA is expected to extend this date. Preparations for the disposal of packaged wastes continued at Riis Park and Fresh Kills Landfill staging areas.

Today marked the last day for curbside collection activities in Nassau County. EPA activities will continue at the Nickerson Beach staging area for the bulking, packaging, and disposal of materials. In Suffolk County, curbside collection of HHW continued in Babylon along with the management of the Venetian Shores staging area.

Currently, no additional burns of wood chips are anticipated at Floyd Bennett Field. NYC and ACE officials are investigating alternative measures of the wood chips, including beneficial reuse options. NYC and ACE officials are discussing the option of burning the remaining woody debris that was brought in for aiding the burning of wood chips. The necessary permits remain to be approved for this operation. EPA air monitors remain active at Floyd Bennett Field, pending any additional burn scenarios.

Sand that was sampled by EPA will not be utilized for the Mariner's Marsh Park, a Brownfields Project. NYC determined that the staged sand will be used for beach replenishment activities and landfill cover.

The total number of containers of hazardous materials collected in NY and NJ to date is 94,868.

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>		<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	
<b>Response Authority:</b>	Stafford Act	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	FEMA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	10/29/2012	<b>Start Date:</b>	10/29/2012
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	

**1.1.1 Incident Category**

Hurricane Disaster Response

**1.1.2 Site Description**

**1.1.2.1 Location**

Ten counties were originally declared eligible for Public Assistance in New Jersey: Atlantic, Cape May, Essex, Hudson, Middlesex, Monmouth, Ocean, Somerset, Bergen, and Union. On November 5, 2012 FEMA declared the remaining New Jersey counties eligible for public assistance: Cumberland, Salem,

Gloucester, Camden, Burlington, Mercer, Hunterdon, Warren, Morris, Sussex, and Passaic.

Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester, and Suffolk. On November 14, 2012 FEMA declared an additional 4 counties eligible for Individual and Public Assistance: Orange, Putnam, Sullivan, and Ulster.

#### **1.1.2.2 Description of Threat**

Releases of oil and chemicals as a direct result of high winds and flooding. Damage to facilities located within the impacted area have the potential to transport containers, waste, and process equipment that may contain hazardous materials. High winds from hurricane Sandy have caused transformer poles to fall and substations to catch fire and cause additional hazards throughout communities. Storm surges along the coast line and inner waterways have moved sand, sediments, and sludge into residential and business properties. Several coastal communities have reported widespread devastation.

#### **1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

Preliminary Removal Assessments and Site Inspections were not formally conducted at all EPA sites. Project managers took numerous steps at Superfund Sites in efforts to prepare for Hurricane Sandy. Damage assessments at Removal and Remedial Sites were conducted by RPMs, OSCs, and other agency personnel. Any issues at sites as a result of Hurricane Sandy have been resolved.

### **1.2 Incident Objectives**

#### **Incident Objectives**

- 1) The health and safety of our responders is the highest priority.
- 2) Ensure health and safety of the public by conducting environmental assessments, controlling hazards, and operating in accordance with the approved site safety and quality assurance sampling plans.
- 3) Assess needs and support the sustained operation of public drinking water facilities impacted by the storm. This is the agency's current operational priority. Assess needs and support the sustained operation of waste water facilities impacted by the storm.
- 4) Conduct aggressive air, ground and water recon and investigation activities to identify active and potential pollution targets, as well as confirm extent of hurricane damage to oil and chemical facilities and critical infrastructure.
- 5) Rapidly control, contain and mitigate all sources of pollution threatening or impacting public health and the environment, to include the navigable waterways. Coordinate actions with the States.
- 6) Manage a coordinated response effort with local, state, federal and industry partners and ensure adherence to policies, practices and plans of each. Assure that all stakeholders are informed of response activities and enhance proactive media and community outreach programs.
- 7) Manage a financial system that ensures accurate, efficient and effective accounting of resources continually monitor ESF #10 funds and adjust operations as needed.
- 8) Pursue and deploy any resources needed to support and sustain agency missions.

### **1.3 Critical Resource Needs**

#### **Critical Resource Needs**

Critical Needs to maintain operational status and projected operational goals are being coordinated through the Resource Unit Leader. EPA is working closely with local, state, and federal partners to coordinate critical needs of facilities that have been impacted. Liaison Officers in the FEMA JFOs continue to coordinate with other ESF partners on addressing needs.

### **1.4 Strategic Considerations**

#### **Strategic Considerations**

- 1) Develop work products, deliver necessary briefings, and arrange field oversight to ensure the health and safety of responders.
- 2) Ensure staffing adjustments meet current operational needs.
- 3) Provide direct work and/or technical support to collect HHW.
- 4) Provide technical assistance to local and State governments on debris removal, including options to maximize recycling and composting.
- 5) Coordinate efforts with States to identify needs and resolve issues.
- 6) The PVSC and MUCA waste water facility responses are a high priority.
- 7) Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort with a high emphasis on drinking water and waste water reporting.
- 8) Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.
- 9) Support the regional and national public affairs needs to provide effective messaging.

## **2. Current Activities**

### **2.1 Operations Section**

#### **DIVISION NEW JERSEY**

Eight counties were initially declared eligible for Public Assistance in New Jersey. Two additional counties, Cumberland and Hudson, were added on November 3, 2012. On November 5, 2012, FEMA declared all remaining New Jersey counties eligible for Public Assistance.

#### **NEW JERSEY RESPONSE ACTIONS**

Field operations were focused on providing continued support by the Waste Water Assessment Teams to one large waste water treatment facilities in Essex Counties and Mitigation Support efforts in Ocean and Middlesex Counties. Hazmat water assessment activities were inactive for the current operational period.

#### **Wastewater Facilities (NJ)**

### Passaic Valley Sewerage Commission (PVSC)

PVSC continues to work on the repair and/or replacement of equipment and electrical systems throughout the facility, and is making significant progress towards restoration of the facility's pre-storm removal efficiencies. On November 29, 2012, PVSC's effluent TSS removal efficiency was 87%; combined with the preceding TSS averages since November 23, 2012, PVSC has met its TSS weekly average compliance limit. PVSC's weekly TSS compliance limit is an average of 45 mg/L, and PVSC has achieved a 7-day average of 21 mg/L and 87% percent removal.

Synagro continues to operate the ten mobile dewatering centrifuges. However, PVSC's continuing ability to increase their permanent dewatering capabilities may enable PVSC to scale back Synagro's operation during the coming weeks.

USEPA's ERRS contractors continue power-washing operations at the facility. These activities are being conducted in coordination with PVSC to augment PVSC's cleanout of the impacted tunnels and basements as a means of re-energizing pumps, motors, and electrical systems. ERRS will continue power-washing operations in coordination with PVSC personnel until December 14, 2012.

The OSC continues to provide assistance to PVSC in responding to a PVSC employee's concerns regarding potential health concerns resulting from flood related damage (i.e., mold, pathogens, H<sub>2</sub>S, etc.).

### Middlesex County Utility Authority (MCUA)

No USEPA operations occurred during this operational period.

### **Mitigation Team (NJ)**

In Monmouth County, an EPA assessment team conducted reconnaissance and recovery of orphaned containers along the coastline in Keyport, Atlantic Highlands, and Neptune. All material recovered was transported to the Lakewood staging pad for disposal.

In Middlesex County, EPA recovery teams located and reassessed previously identified points of interest. Several containers were found, however they were not able to be retrieved. Efforts in the next operational period to collect these items will be conducted via boat operations.

A second team traveled to the Lakewood Pad. The team observed and documented items recovered in Monmouth County. EPA is currently contacting owners of recovered material identifiable by information on the drums to schedule pickup and removal from the pad. In the current operational period, no material was reclaimed by owners.

The team completed the sampling of all staged drums for waste characterization and consolidation; and has begun preparing for transportation and disposal of the materials. EPA is planning to mobilize Conex boxes to the site to secure the materials once the waste characterization is complete.

Representatives from OSHA visited the Lakewood staging area during this operational period to review and observe site operations; comments were positive.

Concluding this operational period, operations in New Jersey will no longer include reconnaissance for orphaned containers. However operations will continue to collect previously identified containers and process waste for disposal.

<b>New Jersey Hazardous Waste Summary *</b>						Operational Period: 12/2/2012		
<b>Location</b>	<b>Drums</b>	<b>Propane Tanks</b>	<b>Cylinders</b>	<b>Containers (6-54 Gal)</b>	<b>Other (Large)</b>	<b>Small Containers (&lt;5 gal)</b>	<b>Op-Period Totals</b>	<b>Location Cumulative Totals</b>
Edison Staging Area	0	0	0	0	0	0	0	56
Lakewood Staging Area	5	0	0	0	1	0	6	236
Vineland Container Storage Facility**	0	0	0	0	0	0	0	24
<b>Daily Total</b>	<b>6</b>							
<b>Cumulative Total</b>	<b>316</b>							

\* All Counts Based on Initial Intake Locations. \*\* Staging areas are no longer collecting/managing HHW.

### **NEW YORK RESPONSE ACTIONS**

#### **Assessment Teams (NY)**

EPA assessment teams conducted reconnaissance and recovery of HHW and orphaned containers in Staten Island Marsh and Meadow Island; and one team performed boat operations in Jamaica Bay.

EPA recovery teams continued HHW and orphaned container collection activities in storm affected areas in Breezy Point and Roxbury in the Rockaways area; and Gerritsen Beach and the east side of Coney Island, Brooklyn. Teams conducted street by street sweeps and contacted residents when available. All material recovered was transported to the Jacob Riis Park staging area for disposal.

An additional EPA assessment team performed reconnaissance and recovery in multiple residential areas in northeast Staten Island, between FDR Boardwalk Beach and Father Great Kills Park. All material recovered was transported to the Fresh Kills staging area for disposal.

### NYC Debris Management Plan

At Floyd Bennett Field, no additional test burns are scheduled to occur. Chipping operations have ceased while the ACE continues to research shipping options to reuse companies. An evaluation of the chips will be conducted in the next operational period to determine if shipping the material is an option. ACE has approximately 70,000 cubic yards of vegetative debris (non-chipped) and is requesting to burn this material. A decision will be made in the next operational period.

EPA continues to provide air monitoring support at Floyd Bennett Field. Of the eight monitoring stations three are currently showing exceedances of the 24 hour average PM 2.5 level.

At Riis Park, all staged debris has been removed. The City sanitation department now collects curbside debris the day before regularly scheduled pick up.

Approximately 2,400 vehicles have been removed from impacted areas and sent to temporary storage areas. Approximately 200 boats have been staged for pickup, however operations have not commenced.

The ACE is gearing up for the Private Property Debris Removal (PPDR) phase of operations in high impacted areas. There are discussions about having an EPA representative on site with demolition/debris removal teams. Field meetings occurred this operational period to understand the eligibility assessment process.

Sand located at Riis Park and other areas will not be utilized for the Mariner's Marsh Brownfields Project. All sand will be used for beach replenishment and other reuse projects.

#### Jacob Riis Park (Queens)

The Jacob Riis Park staging area continued to receive HHW from curbside pickup crews. EPA recovery teams continued HHW curbside collection activities in storm affected areas of the Rockaways and Coney Island. The Riis Park pad is planning for the disposal of accumulated HHW from the staging area.

Planning for the construction of the HHW receiving pad at the NPS location in Riis Park continued. This would be an expansion of the staging area currently occupied in the Riis Park parking lot. EPA will begin laying out traffic lanes and building additional pads in the expanded area during the next operational period.

The Riis Park pad contributed personnel and equipment to aid in the recovery of a large tank from a residential neighborhood on the ocean side of the Rockaways near Riis Park during this operational period. The tank is currently being staged at the Riis Park pad.

#### Fresh Kills Landfill (Staten Island)

HHW and orphaned container staging, categorization, sampling, and packaging for off-site disposal at Fresh Kills continued today. EPA recovery teams continued to conduct curbside pickup and orphaned container collection on Staten Island. All material was transported to Fresh Kills HHW Area #2. No off-site waste shipments occurred during this operational period.

#### Nassau County

EPA continued to work with NYSDC and local officials in responding to reports of orphaned containers primarily along the waterfront in Long Beach. EPA continued collection and segregation activities of HHW at the Nickerson Beach staging area. Curbside collection of HHW and orphaned containers were suspended as of close of business during this operational period; however bulking, packaging, and disposal of materials will continue.

#### Suffolk County

An EPA assessment team conducted orphaned container recovery in the storm affected areas of Riverhead, Mastic Beach, Patchogue, and Islip. All materials recovered were transported to the Babylon staging pad. It is anticipated that operations at the Babylon pad will be suspended by close of business December 14, 2012.

New York Hazardous Waste Summary *					Operational Period: 12/2/2012			
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Cedar Grove Staging Area**	0	0	0	0	0	0	0	284
Fr. Capadano Park, Staten Island	0	0	0	0	0	0	0	7499
Fresh Kills Landfill Plant #1**	0	0	0	0	0	0	0	361
Fresh Kills Landfill Plant #2	3	23	2	0	0	520	548	3722
Islip Multipurpose Recycling Facility	0	0	0	0	0	0	0	740
Jacob Riis Park, Queens, NY	0	74	8	0	0	0	82	18670
Nickerson Park	16	25	19	0	0	590	650	45128
Old Bethpage Landfill and Recycling Center**	0	0	0	0	0	0	0	5538
Patchogue WWTP	0	0	0	0	0	0	0	565
Patchogue WWTP (Mastic Beach)	0	0	0	0	0	0	0	1010
Riverhead Collection Area	0	0	0	0	0	0	0	130
Port of Coeymans**	0	0	0	0	0	0	0	101
Venetian Shores Park	3	3	1	1	0	236	244	10804
<b>Daily Total</b>	<b>1524</b>							
<b>Cumulative Total</b>	<b>94552</b>							

Cumulative Hazardous Waste Summary *					Operational Period: 12/2/2012			
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	State Cumulative
New York	22	125	30	1	0	1346	1524	94552
New Jersey	5	0	0	0	1	0	6	316
Op-Period Totals	27	125	30	1	1	1346	1530	
Cumulative Totals	481	2152	1310	463	146	90316		
Daily Total	1530							
Grand Cumulative	94868							

\* All Counts Based on Initial Intake Locations. \*\* Staging areas are no longer collecting/managing HHW.

## REGULATED FACILITIES

EPA has completed assessments of facilities regulated under SPCC, FRP, and RMP programs. Several facilities were found to be impacted by Hurricane Sandy and have been reported previously, such as Motiva, Phillips 66 Bayway, Alden Leeds, and Kinder Morgan Carteret. These facilities are currently being addressed by state and/or federal partners and need no additional EPA assistance at this time. No other facilities were found to be impacted needing EPA assistance. No further reporting of SPCC, FRP, and RMP facilities will be done unless significant operations or actions by EPA are required or requested.

RCRA Corrective Action Group has completed inspections of all identified facilities within NY State. Any issues or violations are being addressed through normal regional operations unless specified elsewhere in the SitRep. Facility inspections in NJ have been suspended until further notice.

During this operational period, DECA had no inspections or assessments to report.

## 2.2 Planning Section

### PLANNING

The Planning Section continues to organize operational status reports, plan for the next operational period, and assist with needs in support of operations. The utilization of FlexViewer continues to grow as more regulatory programs commence and continue assessments. EPA personnel working in various regional offices are able to view data, generate maps, and become aware of the Common Operating Picture. ASPECT imagery has been uploaded and is being used to determine additional areas of assessment for drinking water facilities, wastewater facilities, HHW reconnaissance points, orphaned container recovery efforts, location of EOCs, potential staging areas, etc. This imagery will also be used when assessments to determine changes of the NJ and NY coast lines commence.

### The Environmental Unit

#### 1. Ambient Water Sampling

Newark Bay/NY Harbor - On Friday, Nov. 30, 2012 the EU received validated data deliverables for the samples collected on Thursday Nov. 29, 2012 using EPA Vessel Clean Waters. On Dec. 2, 2012 the analytical results were reviewed by the EU and forwarded to Jill Lipoti of NJDEP. The EU prepared a sampling and results narrative for the R2 PIO to be sent to HQ EOC PIO.

#### 2. Floyd Bennet Field Perimeter Air Sampling

PM 2.5 monitoring continues at FBF. No burn ops. are being conducted.

#### 3. Ironbound Newark residential sampling

On Friday, Nov. 30, 2012 at 2000 hrs the EU completed the QC check of the data tables as well as verified the information provided in the sampling/results summary. The data tables and narrative were sent to the R2 PIO for approval for release by HQ EOC PIO.

#### 4. Jacob Riis Park Sand Sampling

EPA learned that the Rockaway beach sand would not be used at Mariner's Marsh. It will, instead, be returned to the beaches and used to create a berm beneath the boardwalk.

After SLT discussion with the RA it was agreed that our data from the sand samples should be posted on the web. The results narrative was sent to HQ EOC PIO.

## 2.3 Logistics Section

### Logistics

Logistics has been maintaining lodging tracking and updating the lodging tracking sheet accordingly. To date, Logistics has had challenges securing lodging in the Long Island Area.

## 2.4 Finance Section

### FINANCE

EPA continues to track costs and monitor funding levels against FEMA Mission Assignments. Current Mission Assignments and Estimated Expenditures and Daily Cost Burn as of 12/2/2012 @ 1330 hours:

Region, State	Agreement #, Current Expiration Date	Initial Agreement Date	Agreement Amount	Costs Incurred To Date	Estimated Burn Rate (\$/day)	Purpose
Region 2, New Jersey	4086DR-NJ-EPA-01, Expires 12/13/12	10/31/2012	\$400,000.00	\$350,574.26	\$10,623.46	ESF-10 EOC deployment and assessment assistance in NJ
Region 2, New Jersey	4086DR-NJ-EPA-02, Expires 12/10/12	11/2/2012	\$2,000,000.00	\$286,175.44	\$9,231.47	Drinking & Wastewater Assistance
Region 2, New Jersey	4086DR-NJ-EPA-03, Expires 12/10/12	11/4/2012	\$1,675,000.00	\$332,865.38	\$11,095.51	Technical Assistance for Environmental Assessments
Region 2 New Jersey	4086DR-NJ-EPA-04, Expires 03/02/13	11/3/2012	\$3,500,000.00	\$1,121,690.65	\$37,389.69	Direct Federal Assistance for oil/hazmat field ops
Region 2 New Jersey	4086DR-NJ-EPA-05, Expires 12/08/12	11/08/2012	\$1,275,000.00	\$866,154.51	\$36,089.77	REOC
Region 2 New York	4085DR-NY-EPA-02, Expires 12/30/12	11/04/2012	\$2,400,000.00	\$1,579,860.62	\$47,874.56	ESF-10 EOC deployment and assessment assistance in NY
Region 2 New York	4085DR-NY-EPA-01, Expires 12/01/12	11/2/2012	\$300,000.00	\$39,935.75	\$1,288.25	Drinking & Wastewater Assistance

Region 2 New York	4085DR-NY-EPA-04, Expires 12/04/12	11/7/2012	\$3,100,000.00	\$498,684.17	\$17,810.15	Technical Assistance for Environmental Assessments
Region 2 New York	4085DR-NY-EPA-03, Expires 12/01/12	11/7/2012	\$7,600,000.00	\$3,327,132.95	\$110,904.43	Direct Federal Assistance for oil/hazmat field ops
Region 2 New York	4085DR-NY-EPA-05, Expires 12/05/12	11/09/12	\$75,000.00	\$3,569.00	\$155.17	Dewatering Ops
TOTALS			\$22,330,000.00	\$8,424,249.82	\$234,006.94	

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

Safety visited the PVSC power washing operation in Newark, NJ. Safety visited the Freshkills landfill HHW pad in Staten Island, NY. An ASO was assigned to operations in Long Island and relocated to Nassau County, NY. Safety visits were made to Riverside, Islip and Patchogue HHW sites which were closed out to observe the final condition of the closed HHW pads.

### 2.5.2 Liaison Officer

EPA is continuing to monitor the progress of the outstanding Mission Assignments with FEMA. This included the attendance of associated meetings as deemed appropriate. During the next operational period, EPA will continue to staff the ESF-10 desk at the NYS/FEMA EOC.

### 2.5.3 Information Officer

The PIO is Pat Seppi and can be reached at (646) 369-0068. We closed the media inquiry from Gotham Gazette regarding debris management. The inquiry from USA Today remains open - also about debris - as does the inquiry from Stormwater Magazine regarding sewage and infrastructure. The Daily Narrative was updated on the Web and we posted the Newark Bay/NY Harbor Sampling result to the Web also. The Hurricane Sandy news clips were distributed. For Social Media, we are working on an Op-Ed about cleaning up after a hurricane, particularly mold issues. We are also planning for additional blogs that we hope to distribute soon. In the field, we have 2 CICs who travelled to Fresh Kills Landfill.

## 3. Participating Entities

### 3.1 Unified Command

As of close of business November 28, 2012, EPA is no longer participating in the established Unified Command with the United States Coast Guard Sector New York. Should future requests require EPA support, EPA resources will be made readily available.

### 3.2 Cooperating Agencies

EPA is coordinating with a host of agencies on numerous efforts to assess, respond, recover, and mitigate environmental threats caused by Hurricane Sandy. Federal partners include FEMA, Army Corp. of Engineers, USCG, NOAA, and others. State agencies that EPA is coordinating efforts with include Departments of Health, Transportation, Sanitation, Parks, NYSDEC, NJDEP, Emergency Management, and others. County and local officials are also integrated in decision making and tactical assessments of situations.

## 4. Personnel On Site

Personnel on Site:

Region/State	Current EPA Personnel In Field (All Venues other than EPA Offices)	Current EPA Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2			23	31	54
New York	20	115			135
New Jersey	6	30			36
Total	26	145	23	31	225

### Number of EPA Personnel Deployed to Region 2 – Hurricane Sandy (12/02/12)

	OSCs	RMs	PIOs	Water Specialists	GIS Specialists	RPMs	CICs	Other (field capable)	Other (not field capable)	Total by Region
Region 1	5	0	2	0	0	0	0	1	0	8
Region 3	5	0	0	0	0	0	0	0	1	6
Region 4	0	0	0	0	0	0	0	0	0	0
Region 5	4	1	0	0	0	0	0	0	0	5
Region 6	4	0	0	0	0	0	0	0	0	4
Region 7	3	0	0	0	0	0	0	0	0	3
Region 8	0	0	0	0	0	0	0	1	0	1
Region 9	1	0	0	0	0	0	0		0	1
Region 10	0	0	0	0	0	0	0	0	0	0
HQ	0	0	0	0	0	0	0	1	0	1
ERT	0	0	0	0	1	0	0	2	1	4
CMAT	0	0	0	0	0	0	0	1	0	1
Total by job title	22	1	2	0	1	0	0	6	2	34

## 5. Definition of Terms

## Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

## 6. Additional sources of information

It is believed that all community drinking water and wastewater treatment system assessments have been completed. Therefore, these data will no longer be reported.

### ADDITIONAL INFORMATION:

WEBSITE: <http://www.epaosc.org/HurricaneSandy>

### INSTRUCTIONS FOR EPAOSC.NET:

If you do not have a password or have never used the EPAOSC.net website before, you will need to click the login button on the top right of the web page. Once on the login page, you will need to click on REGISTER HERE, provide the information requested and submit. This submits your request to ERT, and they will generate a user ID and password for you to enter the private side of the Website. In less than 10 minutes after registering, you should receive an e-mail from ERT SUPPORT providing the information (login and password). At this point you can then enter the website: [www.epaosc.net](http://www.epaosc.net), click on log in, then enter your information. Once logged in, click on websites, then click on Region 2. The Hurricane Irene website should be one of the first ten websites that pop up, if not, you can scroll down to the find the site. Click on Hurricane Sandy. Once on the site, you can navigate to the documents that will be stored there.

### FlexViewer :

WEBSITE: [http://www.epa.gov/geospatial/ermaps/Region2\\_HurricaneSandy/](http://www.epa.gov/geospatial/ermaps/Region2_HurricaneSandy/)

The EPA Region 2 Common Operating Picture is now available on FlexViewer. This interactive display is constant being updated with various information pertaining to assessments, resource locations, EOC locations, status of remedial/removal sites, water treatment facility locations, and many other. Individuals located within the EPA network may view the display and create their own maps, however the COP located in the Situation Unit adjusts to the needs of the operations.

If you find that you are having trouble viewing the website, please contact the EPA duty officer at (732) 906-6850

EPA Edison REOC

732-906-6850

Afterhours Notifications, National Response Center (NRC)	800-424-8802
Deputy Regional Incident Coordinator (DRIC) for NY, Neil Norrell	908-420-4512
Deputy Regional Incident Coordinator (DRIC) for NY, Bonnie Hriczko	908-420-4450
Deputy Regional Incident Coordinator (DRIC) for NJ, Christopher Jimenez	908-420-4484
Deputy Regional Incident Coordinator (DRIC) for NJ, Kelli Lucarino	908-421-2628
NY JFO (Queens), Michael Solecki, OSC	908-420-4501

NJ JFO (Middletown), Carl Pellegrino, OSC

908-420-4462

### REPORTING SCHEDULE

Situation Reports are due out at 2300 hrs at the conclusion of that operational day.

## 7. Situational Reference Materials

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at [www.epaosc.org/HurricaneSandy](http://www.epaosc.org/HurricaneSandy).